

4.7 Air Pollution Control Division – FFY 2016-2017 Work Plan (10/1/15 – 9/30/17)

APCD Goal 1: Achieve a level of air quality that protects and preserves human health

Sub-goals include:

- Attain and maintain National Ambient Air Quality Standards
- Protect citizens from exposures to toxic air pollutants

EPA 2014-2018 Strategic Plan:

- Goal 1: Addressing Climate Change and Improving Air Quality
- Goal 4: Ensuring the Safety of Chemicals and Preventing Pollution (Reduce Children's Blood Lead Levels)
- Goal 5: Protecting Human Health and the Environment by Enforcing Laws and Assuring Compliance

Program Strategy	Activity	Milestone/Measure
MOBILE SOURCE PROGRAMS		
1.1 Operate Automobile Inspection and Readjustment (A.I.R.) Program and Clean Screen Program – Regulation No. 11	Operate A.I.R. program in Denver metro and North Front Range areas.	Ongoing
	Integrate North Front Range IM Program into state ozone SIP	Work with Policy and Planning, RAQC, and AQCC
	Ensure that the A.I.R. program in Denver metro and North Front Range areas is consistent with and continues to meet all SIP requirements.	Ongoing
	Inspector training/certification maintained.	Ongoing
	Data collection and processing systems maintained.	Ongoing
	Support field enforcement activities by Dept. of Revenue.	Ongoing
	Monitor program quality and performance.	Ongoing. Annual report developed each year.
	Provide support to customers, inspectors, auto entities and repair technicians.	Ongoing
1.2	Similar operation and training measures as A.I.R. Program.	Ongoing

Program Strategy	Activity	Milestone/Measure
Operate Diesel Inspection and Self-certification Program – Regulation No. 12 (State only)	Work with our counterparts at the regional and local levels to support the Colorado Clean Diesel Program. Continue to implement best practices as part of the Colorado Diesel Self-Certification Program.	Ongoing
	Support legislative and/or regulatory changes that permit the use of OBD or other innovative IM diesel tests that may be used to supplement or replace the current diesel test methods.	Track and respond to diesel bills in the legislature. Modify Regulation No. 12 as needed.
1.3 Develop and participate in mobile source air quality improvement strategies	Contribute to and engage in new ozone SIP developments.	Ongoing
	Participate in RAQC's Mobile Source/Fuels subcommittee. Assist and contribute to the formation and development of mobile source SIP strategies. Provide technical support and analysis on potential mobile source strategies, conduct vehicle emissions modeling in behalf of SIP activities, and provide guidance on various potential fuel strategies.	Ongoing
	Track, research, and advise senior management on legislative activities in support of new SIP development.	Ongoing
	Develop modifications to AQCC Regulations as needed. Present proposed modified regulations to the AQCC for their consideration.	Ongoing
	Implement any necessary SIP strategies.	Ongoing
	Continue remote sensing activities	Ongoing
	Implement and continue smoking vehicle programs.	Ongoing
	Participate in Regional Air Quality Council programs.	Ongoing
	Continue to review auditor A.I.R. Program recommendations. Make changes to IM Program as needed.	Ongoing
	Conduct public outreach, with emphasis on the newly implemented IM program.	Ongoing
	Contribute area-wide assessment of RVP levels, and other gasoline parameters, as part of Ozone SIP development.	Ongoing. Conduct Summer and Winter gasoline surveys.
	Utilize MOVES model in SIP planning and mobile source air quality assessment activities. Continue participation in model improvement and development activities.	Ongoing
	Monitor Federal Renewable Fuels Program.	Ongoing

Program Strategy	Activity	Milestone/Measure
	Monitor federal new Tier 3 vehicle emissions certification, GHG, and CAFÉ rules. Continue to contrast federal rules to California's LEV program, including the use of zero emitting vehicles.	Ongoing
	Examine the use of remote sensing to identify vehicles with high evaporative emissions.	Conducting research.
	Continue OBD effectiveness study.	Conducting research.
	Conduct vehicle OBD deterioration study. Study examines vehicle emissions deterioration in OBD equipped vehicles.	Conducting research.
1.4 Support mobile source strategies through technical studies and operation of testing equipment and facilities	Provide mobile source emission inventories and emission factors.	Ongoing
	Operate and maintain Technical Centers.	Ongoing
	Operate and maintain mass emissions testing facility.	Ongoing
	Conduct an analysis of Colorado fuel market including: volatility, ethanol content, market status and other parameters	Ongoing
	Contribute to division inventory report of actual annual emission data.	Ongoing
STATIONARY SOURCE PROGRAMS		
1.5 Conduct activities of the Construction Permits Program for stationary sources	Issue permits to minor sources in Colorado.	Number of minor source permits issued
	Issue synthetic minor permits to applicable sources in Colorado.	Number of synthetic minor permits issued
	Issue PSD permits.	Number of PSD permits issued
	Issue permits to major sources in nonattainment areas.	Number of NAA NSR permits issued
	Enter RACT/BACT/LAER determinations in EPA's clearinghouse database (RBLC) within 30 days following permit issuance, including the "application acceptance date" and "date of permit issuance."	Data entered on a continuing basis
	Prepare AIRS data entry and forward to Inventory Group.	Ongoing
	Track PSD increment periodically to meet the requirement of 40 CFR 51.166(a)(4).	Ongoing
1.6 Conduct activities of the Operating Permits Program for stationary sources	Ensure sources submit Title V applications for renewal.	Monitored throughout the year.
	Prepare AIRS data entry and forward to Inventory Group.	Ongoing
	Continue development of program with EPA guidance (Part 70) and input from affected parties.	Ongoing

Program Strategy	Activity	Milestone/Measure
	Continue to issue proposed, initial, renewal, and modified Title V permits.	Ongoing
	Prepare and submit TOPS data to the Region for entry into EPA's national database.	Ongoing
	Address recordkeeping and information request requirements.	Ongoing
	Coordinate with EPA on petitions for Title V permits.	Ongoing
1.7 Operate stationary source emissions and facility data system	Utilize the Exchange Network to transfer the Emissions Inventory System information.	Ongoing
	Participate in ongoing training provided on National Emission Inventory.	Ongoing
Compliance and Enforcement Program:		
1.8 Develop regulations and strategies to support compliance with regulations	Continue to evaluate methods to incorporate P2 into regulations and permits.	Ongoing
	Provide support and training to engineers and inspectors (policy interpretation, settlement documents, assist in negotiation of settlements, enforcement data base).	Ongoing
	Revise NSR and PSD regulations as needed.	Ongoing
	Revise Reg. 6 – New Source Performance Standards.	Annual - Ongoing
	Revise Reg. No. 8 Parts A & E incorporating MACT and NESHAP rulemaking updates and development of cooperative federal/state work plan. To include: funding options; addressing 112(j) compliance deadlines; development and implementation of area source rules; development of information; incorporation of pollution prevention where appropriate; and analyses regarding air toxics.	Annual - Ongoing
	Revise Common Provisions, Regulation 1, Regulation 3, Regulation 4, Regulation 7 regulations to maintain an updated SIP or in respond to EPA SIP disapproval actions.	Ongoing
1.9 Continue oversight of local health department contracts and inspections	Negotiate contracts annually.	Local agency contracts follow the state fiscal year (July 1 through June 30).
1.10 Conduct compliance inspections and evaluations for industrial sources	Inspection review, assistance as needed, enter reports on ICIS-AIR, maintain tracking logs, monitor quarterly reports.	Compliance and enforcement activities ongoing; reports are reviewed and entered into ICIS-AIR as they are received, assistance is provided to local agencies as needed and upon request, monthly and

Program Strategy	Activity	Milestone/Measure
(major and minor) and final approval evaluations. Report information to EPA through the ICIS-Air Database.		quarterly reports are maintained to track local agency activity per contracts
	Ensure proper certifications (odor & opacity) in place for local agency staff.	Contracts require agency staff attend and obtain opacity and odor certifications. Division does periodic spot checks of certification status.
	Operating and other final permits reviewed.	Ongoing
	Conduct final approval evaluations for facilities.	Ongoing; Sources are required to submit a "self-certification" for compliance with initial approval permits; Division reviews all of the required documents before approving the permit for "final approval"
	Perform stack testing, source audits and CEM certifications.	Ongoing Number of stack tests Approximately 600+ tests conducted per year Number of relative accuracy test audits Approximately 75 RATAs conducted per year
	Evaluate excess emission reports.	EERs are submitted on a quarterly basis and are reviewed in detail following submittal.
	Provide ICIS-AIR updates as necessary through:	ICIS-AIR updated approximately once per month, including all of the MDRs on all sources; all CMS sources are flagged in ICIS-AIR and HPVs are correctly identified; Division conducts periodic reviews to ensure data is correct
	1. Provide timely data to ICIS-AIR as identified in the National Minimum Data Requirements (MDR's) on CMS sources evaluated or investigated, and on any other sources that are major according to CAA definition.	Ongoing
	2. Coordinate with EPA to ensure that CMS sources are flagged in ICIS-Air for inspection, and to ensure that high priority violations are correctly identified in ICIS-AIR.	
	3. Perform periodic reviews of ICIS-AIR data to ensure required data have been entered correctly.	
	Participate in Cross Media Innovation and Strategy Team	Ongoing
	Submit Compliance Monitoring Strategy to EPA	Submitted to EPA by September 30 of each year for the EPA fiscal year beginning on October 1.
1.11	Participate in High Pollution Advisory Program in Denver metro area.	Ongoing. Daily air quality "Action Day" forecasts are issued from November 1 to March 31.

Program Strategy	Activity	Milestone/Measure
Conduct residential burning emissions control program	Respond to and follow up on complaints.	Complaints are investigated as they are received.
	Coordinate with WESTAR and EPA in identifying PM2.5 and HAP emission contributions from minor source wood boilers and identifying possible control measures if necessary.	Division participates in workshops, trainings and discussions regarding wood boilers.
	Issue warning letters, compliance advisories, NOVs and compliance orders. Conduct AQCC hearings and Settlement Agreements (both state and local agencies)	Ongoing
1.12 Conduct general open burning program	Issue open burning permits and coordinate enforcement against illegal burning and open burning bans.	Ongoing
1.13 Conduct testing and evaluation of industrial sources	Maintain emissions and facility data system from new, revised and renewed APENs into data system.	Ongoing
1.14 Monitor local SIP commitments for Reg. No. 16 street sanding	Monitoring and assessing community SIP sanding reduction activities and reports.	Ongoing
INDOOR ENVIRONMENT PROGRAM		
1.15 Reduce asbestos exposure to the public through operation of the Asbestos Program	Conduct 200 inspections for compliance with Regulation No. 8 and NESHAP.	Ongoing Number of inspections completed
	Review notifications; issue abatement and demolition permits.	Ongoing Number of demolition permits issued Number of abatement permits issued
	Process certification applications; issue certifications.	Ongoing Number of certifications reviewed and processed for Workers, Supervisors, Building Inspectors, Management Planners, Project Designers, Air Monitoring Specialists and General Abatement Contractors. Number of registrations reviewed and processed for asbestos laboratories, training providers and asbestos consulting firms.
	Initiate enforcement actions; timely and appropriate resolution of cases.	Ongoing Number of non-school cases opened Number of non-school cases closed Number of school cases opened

Program Strategy	Activity	Milestone/Measure
		Number of school cases closed
	Conduct outreach activities.	Ongoing Number of outreach activities conducted
	Incorporate asbestos enforcement requirements in local health department contracts.	The Asbestos Unit currently has contracts with three local health departments to perform asbestos inspections.
	Conduct Rulemaking, as necessary.	The Asbestos Unit will revise Colorado Reg. No. 8 when necessary.
	Enter data into a database for all asbestos NESHAP notifications and enforcement actions.	Data for all abatement, demolition, certification and enforcement actions is entered into the database on an ongoing basis.
	Implement the TSCA Asbestos-in-Schools Program according to federal and state rules.	The Asbestos Unit continues to implement the TSCA Program, assisting schools to manage asbestos in their buildings. Activities include inspections, being available as a resource for school personnel and responding to complaints. All grant related reports were filed with EPA in a timely manner.
1.16 Reduce occurrences of asbestos in schools	Conduct 48 TSCA/AHERA inspections. Conduct approval and maintenance audits of instructors and classes.	Ongoing Number of inspections conducted Number of course audits conducted
1.17 Operation of lead-based paint certification and abatement program.	Conduct 20 inspections for compliance with Regulation No. 19. Conduct 5 406(b) rule inspections.	Ongoing: Number of inspections conducted
	Implement the 406(b) rule (Part B of Regulation No. 19).	Ongoing.
	Process certification applications, issue certifications.	Ongoing: Number of certifications processed and issued.
	Conduct lead-based paint course audits. Conduct approval and maintenance audits of instructors and classes.	Ongoing: Number of audits conducted
	Initiate enforcement actions, timely and appropriate resolution of cases.	Ongoing: Number of actions initiated, Number of resolved
	Distribute educational materials.	Ongoing
	<i>Partner</i> with local health departments. Partner with state and local housing agencies.	Ongoing
	Conduct Rulemaking as necessary.	As needed

Program Strategy	Activity	Milestone/Measure
PLANNING AND POLICY – SIP DEVELOPMENT, REGULATORY DEVELOPMENT, REGIONAL COLLABORATION, EMERGING ISSUES, COMMUNITY RELATIONS AND COMMUNICATIONS		
1.18 Develop and implement community based air quality programs in cooperation with local agencies or local governments	Monitor community initiatives in San Luis Valley, Lamar (to support maintenance SIP), Grand Valley – Grand Junction area, and other regions of Colorado as warranted.	Ongoing,
	Coordinate Western Colorado Regional Air Quality Collaboration, a voluntary community partnership to promote consistency and collaboration regarding air quality issues.	Ongoing
	Provide assistance to Garfield County community-based initiative to address natural gas development concerns.	Ongoing
	Work to Identify other at risk areas through monitoring or other methods.	Ongoing
	Respond to citizen concerns and inquiries regarding Colorado's air quality and air pollution control strategies	Ongoing
1.19 Develop and/or revise maintenance SIPs and redesignation requests for current nonattainment and attainment/maintenance areas in Colorado	Develop a moderate nonattainment area ozone SIP for the 2008 ozone NAAQS.	Air Quality Control Commission rulemaking in 2016. Submittal to EPA in 2017.
	Develop/Prepare Regional Haze 5-year Progress Report SIP.	Submit SIP to Air Quality Control Commission for proposed adoption in fall 2015. RH SIP due to EPA on May 25, 2016.
	Develop/Prepare 111(d) Clean Power Plan	Submit Plan to Air Quality Control Commission for review in 2016 and submit initial plan to EPA, followed by a final plan in 2017.
	Develop updated Longmont carbon monoxide maintenance plan to reflect monitor removal.	
1.20 Develop and submit recommended NAAQS designations, as needed	Follow federal NAAQS revision process and prepare recommended designations to submit to EPA as needed.	As needed. Submit potential 2015 ozone NAAQS designation recommendations in 2016.
	Develop/Prepare List of SO2 Sources required to Model/Monitor air quality for future SO2 NAAQS designation	Submit source designations to EPA by January 15, 2016. Complete additional impact analysis by 2016 to ascertain compliance with standard.
1.21 Develop and submit Infrastructure SIPs	Develop and submit 2012 PM2.5 NAAQS infrastructure SIP/certification.	Submit to EPA in late 2015.
1.22 Develop and submit Interstate Transport SIPs	Prepare 2010 SO2 and 2012 PM2.5 NAAQS Interstate Transport SIPs.	To be developed based on EPA guidance.

Program Strategy	Activity	Milestone/Measure
1.23 Monitor transportation conformity determinations of MPO and CDOT programs and projects – Regulation No. 10	Monitor conformity determinations for Metropolitan Planning Organizations (MPOs) along Front Range.	Ongoing
1.24 Support NEPA activities including review of air quality impacts disclosed in NEPA documents	Review and comment on documents/letters prepared for NEPA process such as Environmental Impact Statements and Resource Management Plans.	Ongoing
1.25 Conduct Regional Modeling for ozone and other purposes	Continue review National Air Toxics Assessments data and comment on proposed rules and policy.	Ongoing
1.26 Operate General Air Toxics Program	Work with other Division programs to seek funding for additional monitoring and grant funding (such as DERA grants).	Ongoing
	Complete additional diesel school bus retrofits contingent upon receipt of DERA funds.	Ongoing
	Improve oil and gas related emission inventories with additional focus on diesel truck traffic.	Ongoing
	Continue implementation of state-only and federal Mercury control/reduction rules. Assist with Mercury TMDL analysis as needed.	Ongoing
1.27 Implement cross-media initiatives	Continue coordination with other CDPHE programs in development and implementation of: Cross Media Programs, and Environmental Coordinating Committee.	Ongoing
1.28 Operate Small Business Assistance Program	Conduct industry workshops, data collection and coordination.	Ongoing
	Support Compliance Advisory Panel	Ongoing
	Update small businesses through site visits and technical assistance (MOU with Field Services Unit).	Site visits performed when requested by business, Field Services, or others.
	Provide consultations and site visits in accordance with MOU with Field Services Unit on enforcement referrals.	Site visits performed when requested by business, Field Services, or others.

Program Strategy	Activity	Milestone/Measure
	Outreach and coordination with local health departments.	Ongoing. Local health departments invited to workshops.
	Participate in Cross Media Innovation and Strategy Team – sector projects and coordination.	Ongoing
	Develop End-of-year report on compliance assistance efforts	Ongoing – Report developed annually
TECHNICAL SERVICES PROGRAM – MONITORING, EMISSION INVENTORIES, MODELING, PRESCRIBED FIRE		
1.29 Monitor Air Quality	Per CFR Schedule, submit all ambient criteria pollutant data to the Air Quality System (AQS). Per the Exchange Network requirements for regulatory and national system reporting, submit data in XML-format.	Ongoing
	Implement ambient air monitoring program in accordance with 40 CFR Part 58.	Ongoing
	Submit five-year Network Assessment.	Submitted by July 1, 2015 deadline. Next 5-year Assessment due by 7/1/2020.
	Submit annual SLAMS data certification.	Ongoing, due by May 1 each year.
	Operate and maintain monitoring sites statewide (gaseous, particulate, meteorology). Perform daily, weekly, monthly, quarterly, and semi-annual inspections, cleaning, and preventive maintenance per SOP schedules. Perform manual bi-weekly precision tests.	Ongoing
	Provide updates to department-wide Quality Assurance Management Plan (QMP) and submit to EPA as needed.	Completed in 2011. Full revision to be submitted to EPA by late 2015.
	Revise Quality Assurance Project Plan (QAPP) and submit to EPA.	Ongoing/revisions in progress, to be completed by late 2015 and submitted to EPA.
	Operate ambient air monitoring network in accordance with QAPP.	Ongoing

Program Strategy	Activity	Milestone/Measure
	Modify and update CDPHE sites and data in EPA AQS System.	Ongoing
	Produce Annual Air Quality Data Report.	Ongoing
	QA / QC Review.	Ongoing
	Submit Annual Network Plan to EPA that is oriented toward the new National Air Monitoring Strategy guidance. Review site files.	Ongoing, due by July 1 each year.
	Conduct daily forecasting, summer and winter pollution advisories, and prepare High Pollution Advisory Season and Summer Ozone Advisory Statistics.	Ongoing. Forecasting for Denver and Colorado Springs areas is required by CFR, based on population. Additional non-required forecast areas include Fort Collins-Greeley, Grand Junction, and Colorado River Valley.
	Continue Emergency Response Forecasting and Support to CDPHE Emergency Response Planning.	Ongoing
	Continue NCore monitoring station as approved by EPA.	Ongoing at LaCasa site in Denver.
	Maintain awareness of requirements for monitoring for new NAAQS. Install sites as needed to meet requirements.	Ongoing. Second near-road NO2 site in Denver installed in late 2015.
	Maintain awareness of new requirements for Exceptional Events. Flag data in AQS related to natural and exceptional events. Develop and submit documentation to EPA.	Ongoing. Calendar year flags and initial event descriptions in AQS by July 1 of the following year. Development and submittal of exceptional event documents is ongoing.
	Conduct Special Monitoring Projects.	As needed. Ozone precursor/NMOC sites ongoing in Denver/Weld county area. North Front Range Emissions and Dispersion Study commenced in 2013, scheduled to end 6/30/2016. Community-Scale Air Toxics Grant to commence in late 2015: Determining local scale air toxics gradients near the I-25/I-70 interchange in environmental justice communities in Denver, Colorado.

Program Strategy	Activity	Milestone/Measure
	Continue National Air Toxics Trends monitoring site in Grand Junction: Maintain and repair VOC/carbonyl, PAH and PM10/metals monitoring equipment. Install and maintain additional equipment as required. Perform calibrations and audits on the equipment. Interpret and report data received from the analytical lab. Submit data to AQS within 90 days after the end of each quarter. Provide quarterly analysis updates. Perform monitoring according to the NATTS Technical Assistance Document. Review and update QAPP as necessary.	Ongoing. QAPP/SOP updates to be completed and submitted to EPA in late 2015.
	Assist local agencies in special monitoring studies.	Ongoing. Work on a locally supported source air toxics study targeted at development activities in Garfield County is continuing.
1.30 Develop and Maintain Emissions Inventories	Provide updated emission inventory reports using new EIS system for point, nonpoint and mobile sources (type B) using 2015 emission data and based on the EPA-established reporting thresholds for SOX, NOX, VOC, PM2.5 and PM10, CO, Pb and NH3.	Ongoing
	Develop of an Integrated Approach / Methodology for Inventory Development.	Ongoing
	Support inventory development for state SIPs including Ozone SIP.	Ongoing
	Continue work on the 3-state pilot program: monitoring, emissions/data warehouse (as identified in the "2010 Three-State Pilot Project: Air Monitoring Site Installation and Operation, Emissions Inventory Data Warehouse Development – Colorado Workplan and Budget"), and modeling (as funding is available). This project will be re-named the "Intermountain West Data Warehouse".	Ongoing. Ozone/meteorological site near Elk Springs is operational. A site near Paradox is to be installed. Development and implementation of the Data Warehouse is continuing.
1.31 Conduct Air Quality Modeling	Conduct modeling for stationary source permits.	Ongoing
	Conduct regional modeling for ozone and other purposes.	Ongoing
	Conduct modeling for state SIPs as needed.	Ongoing. Current efforts include 75 ppb Ozone SIP bump-up to moderate, 1-hour SO2 designations.
1.32 Conduct Prescribed Fire Program	Implement prescribed fire program (develop MOU and issue permits for significant users of prescribed fire through	Ongoing

Program Strategy	Activity	Milestone/Measure
	implementation of state-only program through Reg. No. 9: Open Burning, Prescribed Fire and Permitting.)	
	Conduct oversight to ensure that permittees implement best air quality protection practices in prescribed burning events.	Ongoing
	Implement local delegation component of program.	Ongoing
	Continue evaluating and implementing recommendations from report developed by HB-09-1199 mandate to review and evaluate Smoke Management Program. Recommendations focus on improved and simplified permitting, communications, monitoring and observation of fires and smoke, resource identification and data analysis.	Ongoing Work is continuing on relaxing standard conditions, as appropriate. Work on pilot burns and subsequent data analysis is ongoing.

APCD Goal 2: Achieve levels of air quality in Colorado that protect the integrity of the natural ecosystem

APCD Sub-goals include:

- Protect environment from acid deposition damage - Ensure all Class I areas are protected from acid deposition impacts and other Air Quality Related Values are protected.
- Protect stratospheric ozone – Ensure the control of CFC compounds.
- Take action on climate change – Ensure greenhouse gas emissions are managed.
- Protect environment from Mercury contamination.

EPA 2014-2018 Strategic Plan

- **Goal 1: Addressing Climate Change and Improving Air Quality:**
 - **Objective 1.1 Address Climate Change**
 - **Objective 1.2 Improve Air Quality**
 - **Objective 1.3 Restore and Protect the Ozone Layer**

Program Strategy	Activity	Milestone/Measures
2.1 Ensure acid rain minimized through operation of construction and operating permit programs	Issue permits to utilities.	Ongoing
2.2 Ensure acid deposition emissions are minimized through testing and evaluation of industrial sources	Conduct stack testing, source audits and CEM certifications for utilities.	Ongoing
	Evaluate excess emission reports for utilities	Ongoing
2.3 Ensure acid rain minimized though updates to Regulation No.18 as necessary	Revise regulation.	Ongoing
2.4	Annually assess monitoring/research data.	Ongoing
	Work with agricultural stakeholders to develop studies, projects, and Best Management Practices to reduce ammonia emissions	Ongoing

Program Strategy	Activity	Milestone/Measures
Reduce nitrogen deposition through implementation of Rocky Mountain National Park Initiative	Assess ammonia inventory categories regularly and potential reduction and/or communication strategies.	Ongoing
	Focus additional attention to RMNP in regard to AQRV impairment. Begin to review and update 2010 Contingency Plan. Continue tracking of nitrogen deposition reduction. Continue collaboration with Agriculture Subcommittee and other stakeholder groups.	Ongoing
2.5 Protect stratospheric ozone levels through minimizing emissions of CFCs from applicable sources	Equipment registration and facility notification.	Number of equipment items registered, Number of facility notifications
	Inspections (both state and local agencies) for compliance with Regulation No. 15.	Number of inspections conducted
	Training and outreach (including pollution prevention).	Ongoing
	Continue to negotiate local health department contracts annually for CFC inspections and enforcement.	Ongoing
2.6 Ensure man-made climate change impacts minimized	Develop policies and regulations as needed to implement the federal GHG rules.	Policies and/or regulations developed to allow state implementation of the federal GHG rules as necessary or directed by EPA.
	Issue Title V and PSD permits for GHG as provided in federal rules.	Ongoing
	Monitor and evaluate reduction strategies.	Ongoing
	Monitor legislative activity locally and nationally.	Ongoing
	Continue to coordinate with efforts to implement Governor's Climate Change Initiative and greening Government Executive Order	Ongoing
	Continue to coordinate with efforts to implement Governor's Climate Action Plan.	Ongoing
2.7 Reduce mercury pollution through Colorado cross-media programs	CDPHE Strategic Programming process (see discussion in Chapter 2 of PPA). Assist the Water Division with Mercury TMDLs analyses as needed and ongoing assessment of emissions and deposition.	Ongoing

APCD Goal 3: Achieve a level of ambient air quality that protects and preserves standards for visibility and aesthetic concerns for pollutants that cause odors

APCD Sub-goals include:

- Improve Urban Visibility (Denver AIR Program Area and Fort Collins) – Ensure a decrease in the number of days the Colorado Visibility Standard is exceeded in the areas of applicability
- Reduce Regional Haze (for National Parks and Class I Wilderness areas) – Ensure natural background visibility conditions in all Mandatory Class I Areas by 2064 through the development and implementation of the Colorado Regional Haze SIP
- Control Odors

EPA 2014-2018 Strategic Plan

- **Goal 1: Addressing Climate Change and Improving Air Quality**

Program objective	Activity	Milestone/Measure
3.1 Reduce pollutants causing haze through the operation of mobile source strategies: Reg. No. 11 – A.I.R. Program Reg. No 12 – Diesel Inspection Smoking vehicles Clean fuels	Described earlier in work plan.	Described earlier Contributed to CDOT/Colorado Energy Office's "Energy Smart Transportation Committee" efforts to promote clean fuels and vehicles, such as CNG and electric vehicles.

Program objective	Activity	Milestone/Measure
3.2 Reduce pollutants causing haze through the operation of the stationary sources program objectives Operation of Construction and Operating Permit Programs Small Business Assistance Program Compliance monitoring and enforcement of stationary sources Wood burning Control Program – High Pollution Advisory Program and state and local woodstove regulations	Described earlier in work plan.	Described earlier
3.3 Support reduction of haze-causing pollutants through regulation updates	Described earlier in work plan.	Described earlier
3.4 Track program indicators through urban haze monitoring, inventories and modeling	Operate visibility monitoring network in Denver and Fort Collins (transmissometers, nephelometers and web cameras).	Ongoing
	Air quality “Action Day” forecasts year-round	Ongoing
	Conduct sample speciation and chemical mass balance modeling	Ongoing Supports exceptional event technical documents.
	Perform daily, weekly, monthly, quarterly, and semi-annual inspections, cleaning, and preventive maintenance per SOP schedules. Perform manual bi-weekly precision tests.	Ongoing
	Operate and maintain gaseous/continuous sites statewide.	Ongoing
	Operate and maintain particulate monitoring sites statewide.	Ongoing
	Operate and maintain meteorological monitoring equipment.	Ongoing
	Air Quality Forecasting and Air Quality Index (AQI) Reporting on a daily basis.	Ongoing
3.5 Implement the Colorado Regional Haze SIP	Develop SIP strategic plan to coordinate, to the extent allowed, planning efforts for ozone and Regional Haze.	Ongoing
3.6 Support Class I Attributable Visibility Impairment Visibility SIP	Assemble and analyze IMPROVE monitoring data using statistical methods such as factor analysis, trajectory models, and chemical mass balance models.	Ongoing, as needed.

Program objective	Activity	Milestone/Measure
	Provide technical assistance to various visibility workgroups as requested.	Ongoing
	Participate in SIP calls.	Ongoing
3.7 Continue implementation of effective fire and smoke management and prescribed fire program	Develop and revise, as needed, Wildfire Response Plan and Protocol. During wildfire events and large prescribed fires, assist land managers in conducting PM monitoring. Coordinate with public information officer and meteorologist.	Ongoing
	Participate in the Front Range Roundtable as appropriate.	Ongoing
	Work with local communities and partnerships to address wildland fuels treatment as needed.	Ongoing
3.8 Track program effectiveness indicators through haze monitoring, inventories and modeling	Coordinate with Federal agencies and private entities conducting visibility, lake chemistry and acid deposition monitoring and research in Colorado. Agencies and contractors, to varying degrees, are also involved in AQRV model development.	Ongoing
	Perform audits of IMPROVE samplers.	Ongoing